

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-24-78			
Company R & G Drilling Co.				Connection Waiting on Pipeline					
Pool Kutz Fruitland				Formation Fruitland				Unit	
Completion Date 3-20-78		Total Depth 1770		Plug Back TD 1699'		Elevation 5880'KB		Farm or Lease Name Krause	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 1758	Perforations: From 1528 To 1538		Well No. 65			
Thq. Size 1.250	Wt. 2.40	d 1.660	Set At 1514'	Perforations: From Open To Ended		Unit C		Sec. 33	Twp. 28N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F 90 @ 1770		Mean Annual Temp. °F —		Baro. Press. - P _a 12.0		State New Mexico	
L 1514'	H 1514	Gg 0.600	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							560		500	
1.							85		400	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1			97	1.0000	1.000	1.0000	1.200
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 512	P _c ² 262,144	
NO.	P _t ²	P _w ²
1	412	169,744
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8370$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,909$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4262$

Absolute Open Flow	2,909	Mcf/d @ 15.025	Angle of Slope	0.85
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Remarks:

Approved By Commission:	Conducted By: Ewell N. Walsh	Calculated By: Ewell N. Walsh	Checked By:
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